

ALLIANCES FOR GRADUATE EDUCATION AND THE PROFESSORiate

Program Solicitation

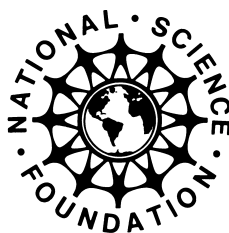
NSF 00-53

DIRECTORATE FOR EDUCATION AND HUMAN RESOURCES
DIVISION OF HUMAN RESOURCE DEVELOPMENT

DEADLINE DATE: MAY 11, 2000



NATIONAL SCIENCE FOUNDATION



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SUMMARY OF PROGRAM REQUIREMENTS

GENERAL INFORMATION

Program Name: Alliances for Graduate Education and the Professoriate (AGEP)

Short Description/Synopsis of Program:

This program is aimed at increasing the number of minority students pursuing advanced study, obtaining doctoral degrees, and entering the professoriate in SME disciplines. Alliances participating in this program are expected to engage in comprehensive institutional cultural changes that will lead to sustained increases in the conferral of SME doctoral degrees, significantly exceeding historic levels of performance.

Cognizant Program Officer(s): Dr. Roosevelt Johnson, Program Officer, Room 815, Division of Human Resource Development, telephone (703) 306-1633, e-mail: ryjohnso@nsf.gov

Applicable Catalog of Federal Domestic Assistance (CFDA) No.: 47.076 — Education and Human Resources

ELIGIBILITY INFORMATION

- ◆ Limitation on the categories of organizations that are eligible to submit proposals:
 - **Limited to Alliances**
 - **All members in Alliance must be doctoral degree granting institutions**
 - **One institution must be designated as the lead institution for the project.**
 - **A single institution may participate in only one Alliance.**
 - **Individual institutions and single graduate departments are ineligible for support.**
- ◆ PI eligibility limitations:
 - **P.I. would normally be the Chief Academic Officer of the lead Institution; P.I.'s holding other offices should justify their designation as P.I.**
 - **Individual investigators are ineligible for support.**
- ◆ Limitation on the number of proposals that may be submitted by an organization:

Only one proposal may be submitted per institution or alliance.

AWARD INFORMATION

- ◆ Type of award anticipated: **Cooperative Agreement**
- ◆ Number of awards anticipated in FY 00: **Up to 8 awards**
- ◆ Amount of funds available: **Approximately \$4 million, pending availability of funding**
- ◆ Anticipated date of award: **August, 2000**

PROPOSAL PREPARATION & SUBMISSION INSTRUCTIONS

◆ Proposal Preparation Instructions

- Letter of Intent requirements: **None**
- Preproposal requirements: **None**
- Proposal preparation instructions: **Standard NSF Grant Proposal Guide instructions, plus requirements specific to this solicitation (See Proposal Preparation and Submission Instructions)**
- Supplemental proposal preparation instructions: **See Section V. A. Proposal Preparation Instructions.**
- Deviations from standard (GPG) proposal preparation instructions: **Use of Budget Form 1030HRD (9/94)**

◆ Budgetary Information

- Cost sharing/matching requirements:
Cost sharing at a level of 30% of the requested total amount of NSF funds is required for all proposals submitted in response to this solicitation. The amount of cost sharing must be shown in the proposal in enough detail to allow NSF to determine its impact on the proposed project. Documentation of availability of cost sharing must be included in the proposal. The proposed cost sharing must be itemized on NSF Budget Form 1030 HRD (9/94), found in Appendix A.
- Indirect cost (F&A) limitations: **None**
- Other budgetary limitations: **No funds for faculty research or faculty salaries may be requested.**

◆ FastLane Requirements

- FastLane proposal preparation requirements: **FastLane use required**
- FastLane point of contact: **Victoria Smoot, (703) 306-1640, or e-mail at ysmoot@nsf.gov**

◆ Deadline/Target Dates

- Full Proposal Deadline: **5:00 PM local time, May 11, 2000 (FastLane)**

PROPOSAL REVIEW INFORMATION

- ◆ Merit Review Criteria: **Standard National Science Board - approved criteria**

AWARD ADMINISTRATION INFORMATION

- ◆ Cooperative Agreement Conditions: **CA-1 and GC-1**
- ◆ Special Cooperative Conditions anticipated: **It is anticipated individual Cooperative Agreements will have special conditions depending on the nature of the project.**
- ◆ Special reporting requirements anticipated: **See Section VII. C., Reporting Requirements.**

ALLIANCES FOR GRADUATE EDUCATION AND THE PROFESSORIATE (AGEP) PROGRAM

Submission date: Full proposals must be received by May 11, 2000.

I. INTRODUCTION

The U.S. continues to suffer from a long-standing underrepresentation of minorities among science, mathematics and engineering doctorates. This untapped talent has serious consequences for the nation's ability to compete in a world economy driven by technological advances, as well as for a large segment of the nation's citizens who suffer loss of opportunity. This underrepresentation is evident in all sectors: academe, industrial, and governmental.

The Alliances for Graduate Education and the Professoriate (AGEP) program, is intended to increase significantly the number of students receiving doctoral degrees in the sciences (physical and life science disciplines), mathematics, and engineering (SME), with special emphasis on those population groups underrepresented in these fields. In addition, since lack of role models and mentors in the professoriate constitutes a significant barrier to producing minority SME graduates, NSF is particularly interested in increasing the number of minorities who will enter the professoriate in these disciplines. Specific objectives of the AGEP program are (1) to develop and implement innovative models for recruiting, mentoring, and retaining minority students in SME doctoral programs and (2) to develop effective strategies for identifying and supporting underrepresented minorities who want to pursue academic careers.

Over the years, both government and private sectors have invested significant resources to increase minority representation in advanced SME study and careers. While some exemplary programs exist, limited progress has been made overall.

II. PROGRAM DESCRIPTION

The goal of the AGEP program is to increase the number of minority students pursuing advanced study, obtaining doctoral degrees, and entering the professoriate in SME disciplines. Alliances participating in this program are expected to engage in comprehensive institutional cultural changes that will lead to sustained increases in the conferral of SME doctoral degrees, significantly exceeding historic levels of performance.

Alliance commitment will be assessed with respect to willingness and ability of participating institutions to align relevant financial and operational resources to the goals articulated by this program. To ensure commitment and the potential for success, **the Chief Academic Officer from the lead institution would normally serve as the Principal Investigator (PI), and PI's holding other offices should justify their designation as PI.**

Proposals are expected to demonstrate:

- knowledge of those factors affecting the successful transition of minority students from undergraduate through graduate study and academic career entry in SME fields;

- prior success in dealing with affective (non-academic) components of graduate education that are necessary to ensure success of minority students in obtaining SME doctoral degrees;
- potential for successfully aligning similar existing programs (NSF-supported or otherwise) within, or outside of, the alliance to ensure a comprehensive, integrated effort; and,
- ability to provide quality educational and research opportunities that will prepare students for successful SME careers (e.g., interdisciplinary research, use of information technology, communications skills).

The proposal should clearly describe strategies to ensure effective recruitment, mentoring, retention, and degree completion of minority students. Under the AGEF program, NSF intends to support a portfolio of projects that serve as effective models for addressing these issues. Proposals should clearly describe strategies for increasing minority student admissions; for creating supportive environments for these students at both the institutional and departmental levels; as well as for developing student interest in, and preparation for, academic careers (teaching and other faculty roles). Relevant strategies may include, for example, developing partnerships with undergraduate institutions that produce large numbers of minority SME majors (e.g., Historically Black Colleges and Universities (HBCUs), Hispanic-Serving Institutions (HSIs), Tribal Colleges); providing to minority undergraduates enriched academic and research experiences with strong emphasis on obtaining doctorates and pursuing academic careers; and/or developing student networks or mentoring programs at the undergraduate and/or graduate levels. Projects are also strongly encouraged to develop linkages with the NSF-supported the Louis Stokes Alliances for Minority Participation (LSAMP) projects, which also produce large numbers of minority SME graduates.

The AGEF program stresses the building of a well-documented knowledge base of successful strategies. Awardees will be required to participate in a program-level evaluation by which NSF can assess quantitative gains in relevant measures for minority students and make qualitative assessments of the process of change. Shortly after awards have been made, project evaluators will be asked to assist a NSF contractor in developing a program evaluation that will mutually benefit the agency and project participants. AGEF projects are expected to have the capability of collecting and analyzing data derived from program evaluation activities.

In addition, it is expected that each AGEF project will complement this effort with its own formative evaluation. This evaluation should be the basis for strengthening implementation over the course of the project and for annual reporting to NSF that will be used to justify continued investment in the project. Proposals should provide suggestions of objectives, benchmarks, and indicators of progress that will inform reviewers of the proposers' understanding of essential factors for judging accountability, both quantitative (minority enrollment and Ph.D. production) and qualitative (the process of change in organizational culture). This evaluation must show an effective process by which student progress will be assessed on an annual basis. To aid reviewers in assessing past performance of proposing institutions, proposals should include the following baseline data over the 1994-98 time period (for U.S. citizens, nationals, and permanent U.S. residents only):

- the sum and the average of the numbers of minority SME Ph.D. conferrals per year as well as the sum and the averages of minority SME graduate enrollments for each SME department, disaggregated by population subgroup (e.g., African American, Hispanic, and Native American);
- annual total and minority baccalaureate and master's degree conferrals for SME departments of the submitting alliance institutions, and
- annual numbers of underrepresented minority students who have left the same programs without completing their degrees.

III. ELIGIBILITY INFORMATION

Eligible Fields and Disciplines. NSF-supported fields in the physical and life sciences, mathematics and engineering (SME) are eligible for support.

Eligibility

Alliances consisting of doctoral degree granting institutions serving the SME graduate education needs of minorities are eligible to submit proposals. One institution must be designated as the lead institution for the project. Institutions in the U.S. and its territories having documented success in translating minority matriculates into degree recipients are strongly encouraged to participate. A single institution may participate in only one alliance. Through the alliance, it is anticipated that the strengths of the respective individual institutions will be maximized to serve the AGEP program goals.

Projects are expected to be comprehensive, broadly covering SME departments; all participating departments must be explicitly identified in the proposal. Individual institutions, single graduate departments, and individual investigators are ineligible for support under the AGEP program.

IV. AWARD INFORMATION

Up to eight AGEP Cooperative Agreements of up to five years duration are anticipated: only one AGEP award is allowable per alliance. Awards will be made up to a level of \$500,000 per year, with the funding level depending on numbers of students served and factors related to the project design. The purpose of these awards is to catalyze changes in institutional, departmental, and organizational culture and practices that will result in significant increases in the recruitment, retention, degree conferral, and SME career (especially academic) entry of minority students. Student support is allowable, but AGEP is not intended to be a fellowship program. If financial support is requested, proposals must clearly explain the need being addressed, as well as student recruitment, selection and accountability criteria. Allowable student support is limited to financial support for employing team building principles (e.g., collaborative learning experiences, small group clustering in academic sections, structured work-study groups), individual skill development (e.g., participation in special seminars and colloquia), involvement in research (e.g., stipends or salary for academic-year or summer research programs, and related personal career counseling and mentoring), and other activities designed to enhance student experiences and student/faculty/mentor interaction. The AGEP will also provide direct support

to enable students to attend summer enrichment activities and to participate in other activities throughout the academic year. Please note that student support can only be provided to U.S. citizens, nationals, and permanent U.S. residents.

V. PROPOSAL PREPARATION & SUBMISSION INSTRUCTIONS

A. Proposal Preparation Instructions.

Proposals submitted in response to this program solicitation should be prepared and submitted in accordance with the general guidelines contained in the *Grant Proposal Guide* (GPG), NSF 00-2. The complete text of the GPG (including electronic forms) is available electronically on the NSF Web site at: <<http://www.nsf.gov/>>. Paper copies of the GPG may be obtained from the NSF Publications Clearinghouse, telephone (301) 947-2722 or by e-mail from pubs@nsf.gov.

Proposers are reminded to identify the program solicitation number (NSF 00-53) in the program solicitation block on the NSF Form 1207, "*Cover Sheet for Proposal to the National Science Foundation*." Compliance with this requirement is critical to determining the relevant proposal processing guidelines. Failure to submit this information may delay processing.

Full proposals must contain the following elements in the order indicated. Proposals that do not strictly adhere to the specified page limitations (given below) will be ineligible for consideration and will be returned without review. The proposals should be prepared and submitted in accordance with specific guidelines provided in this document and the general guidelines provided in the Grant Proposal Guide (NSF 00-2). Specifically, the proposal should include the following:

1. **Cover Sheet for Proposals with Institutional Certifications** (NSF Form 1207). Proposals should specify "AGEP" at the beginning of the title and list the solicitation number NSF 00-53 in the appropriate box. Select Alliances for Graduate Education and the Professoriate (AGEP) as the appropriate NSF program, and Division of Human Resource Development (HRD) as the NSF division to be entered on the proposal cover sheet.
2. **Project Summary**. Provide a brief (200 words or less) description of the project, clearly stating objectives and strategies to be employed.
3. **Table of Contents** (NSF Form 1359).
4. **Project Description**. The narrative (not to exceed 15 single-spaced typed pages in standard font size of 10 to 12 points) presents most of the information that determines whether an award will be made.

Proposals should clearly articulate project objectives; planned outcomes with respect to recruitment, retention, and degree conferral of minority students; project monitoring guidelines; and, how outcomes will be measured. Proposals should (1) demonstrate understanding of issues and awareness of, and coordination with, related programs; (2) describe proposed activities, indicating unique aspects of the project and logic underlying its

development; (3) state plans for institutionalization of these strategies after NSF support ends; (4) provide baseline statistics and describe anticipated project impact; (5) identify major project participants (alliance partners and key personnel), clearly articulating their capabilities and roles; (6) describe plans for coordination and management of activities; (7) describe grantee contributions to the project in terms of support for activities; and, (8) describe indicators and other evaluative information for monitoring annual progress.

If the prospective PI or Co-PI(s) received support for related NSF activities within the past five years, a brief description of project(s) and outcome(s) must be provided in sufficient detail to enable reviewers to assess the value of results achieved. Projects should be identified by NSF award number, amount, period of support, title, summary of results, and list of publications and formal presentations that acknowledge the NSF award. Descriptions of prior NSF support should be limited to five pages and must be included as part of the 15-page limit.

Alliance institutions that are award recipients of NSF programs that promote involvement of minorities in higher education must describe the value-added and complementarity of these efforts. Such programs include the Louis Stokes Alliances for Minority Participation (LSAMP), Centers of Research Excellence in Science and Technology (CREST), Historically Black College and Universities-Undergraduate Program (HBCU-UP), and Minority Institutions of Excellence (MIE).

5. Biographical Sketches. Biographical sketches of key project personnel (each no more than two pages in length) should highlight relevant experience in recruiting, academic and career mentoring, and producing minority SME Ph.D. recipients and knowledge of research methodologies, higher education, minority participation in advanced SME study and workforce entry, etc. Up to 10 major relevant publications may be listed for each of the key personnel.

6. Timeline for Major Project Benchmarks (1 page maximum).

B. Budgetary Information.

Budget and Allowable Costs [use NSF Form 1030HRD (9/94), included as Appendix A to this document]. A budget should be prepared for each year of support requested, and a cumulative budget for all years of support requested. No funds for faculty research or faculty salaries may be requested. While provision of student support is allowable, the AGEF program is not intended to be a fellowship program. Annual and cumulative signed budgets on NSF Form 1030HRD (9/94) and budget justifications should be included for each proposed subaward.

Students receiving support must be citizens, nationals, or permanent residents of the U.S. Limited funds intended to partially defray the costs of research by students may be requested.

Annual budgets should include requests for funds to support annual visits to NSF in Arlington, VA for (1) the PI and lead representatives from the alliance and (2) project evaluators.

Budget Justification. A brief justification for funds in each budget category should be provided. This section (three pages maximum) should also include details of institutional cost-sharing, and of other sources of support. Details of institutional cost sharing and other sources of support in the proposal will be referenced and included as a condition of an award resulting from this announcement. See the Grant Proposal Guide (GPG, NSF 00-2) for allowable cost-sharing

activities. The proposed cost sharing must be shown in the second column, "NON-FEDERAL MATCHING FUNDS," on the proposal budget form (NSF Form 1030HRD).

Cost Sharing Requirements.

Cost sharing at a level of 30% of the requested total amount of NSF funds is required for all proposals submitted in response to this announcement. The amount of cost sharing must be shown in the proposal in enough detail to allow NSF to determine its impact on the proposed project. Documentation of availability of cost sharing must be included in the proposal.

Only items which would be allowable under the applicable cost principles, if charged to the project, may be included as the awardee's contribution to cost sharing. Contributions may be made from any non-Federal source, including non-Federal grants, cooperative agreements or contracts, and may be cash or in-kind (see OMB Circular A-110, Section 23). It should be noted that contributions counted as cost-sharing toward projects of another Federal agency may not be counted towards meeting the specific cost-sharing requirements of the NSF award.

All cost-sharing amounts are subject to audit. Failure to provide the level of cost-sharing reflected in the approved award budget may result in termination of the NSF cooperative agreement, disallowance of cooperative agreement costs and/or refund of cooperative agreement funds to NSF. Proposals must describe how non-NSF funds will be used to support project activities.

C. Proposal Due Dates.

The proposal **MUST** be submitted via FastLane by 5:00 PM, local time, May 11, 2000.

A proposal can not be processed until the complete proposal (including the signed Cover Sheet) has been received by NSF. A proposal is considered complete when the proposal, including the Project Description, has been submitted to NSF. The receipt date will be the date the sponsored projects office transmits the proposal to NSF.

D. FastLane Requirements.

Proposers are required to prepare and submit all proposals for this Program Solicitation through the FastLane system. Detailed instructions for proposal preparation and submission via FastLane are available at: <https://www.fastlane.nsf.gov/al/newstan.htm>.

The NSF FastLane system is available for electronic preparation and submission of a proposal through the Web at the FastLane Web site at <<http://www.fastlane.nsf.gov>>. The Sponsored Research Office (SRO) or equivalent must provide a FastLane Personal Identification Number (PIN) to each Principal Investigator (PI) to gain access to the FastLane "Proposal Preparation" application. PIs that have not submitted a proposal to NSF in the past must contact their SRO to be added to the NSF PI database. This should be done as soon as the decision to prepare a proposal is made. In order to use NSF FastLane to prepare and submit a proposal, the following are required:

Browser (must support multiple buttons and file upload)

- Netscape 3.01 or greater
- Microsoft Internet Explorer 4.01 or greater

PDF Reader (needed to view/print forms)

- Adobe Reader 4.0 or greater

PDF Generator (needed to create project description)

- Adobe Acrobat 3.01 or greater
- Aladdin Ghostscript 5.10 or greater

A list of registered institutions and the FastLane registration form are located on the FastLane Web page. For questions or problems concerning submitting a proposal via FastLane, please send an e-mail message to fastlane@nsf.gov or call 703-306-1142.

Submission of Signed Cover Sheets. The signed copy of the proposal Cover Sheet (NSF Form 1207) must be postmarked (or contain a legible proof of mailing date assigned by the carrier) within five days following proposal submission in accordance with the FastLane proposal

preparation and submission instructions referenced above. The signed Cover Sheet should be mailed to the following address:

NSF 00-53
National Science Foundation
DIS-FastLane Cover Sheet
4201 Wilson Blvd.
Arlington, VA 22230

VI. PROPOSAL REVIEW INFORMATION

A. NSF Proposal Review Process.

Reviews of proposals submitted to NSF are solicited from peers with expertise in the substantive area of the proposed research or education project. These reviewers are selected by Program officers charged with the oversight of the review process. NSF invites the proposer to suggest, at the time of submission, the names of appropriate or inappropriate reviewers. Care is taken to ensure that reviewers have no conflicts with the proposer. Special efforts are made to recruit reviewers from non-academic institutions, minority serving institutions or adjacent disciplines to that principally addressed in the proposal.

Proposals will be reviewed against the following general merit review criteria established by the National Science Board. Following each criterion are potential considerations that the reviewer may employ in the evaluation. These are suggestions and not all will apply to any given proposal. Each reviewer will be asked to address only those that are relevant to the proposal and for which he/she is qualified to make judgments.

What is the intellectual merit of the proposed activity?

How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? How well qualified is the proposer (individual or team) to conduct the project? (If appropriate, the reviewer will comment on the quality of prior work.) To what extent does the proposed activity suggest and explore creative and original concepts? How well conceived and organized is the proposed activity? Is there sufficient access to resources?

What are the broader impacts of the proposed activity?

How well does the activity advance discovery and understanding while promoting teaching, training, and learning? How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)? To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks, and partnerships? Will the results be disseminated broadly to enhance scientific and technological understanding? What may be the benefits of the proposed activity to society?

PIs should address the following elements in their proposal to provide reviewers with the information necessary to respond fully to both NSF merit review criteria. NSF staff will give these factors careful consideration in making funding decisions.

Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learner perspectives.

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens -- women and men, underrepresented minorities, and persons with disabilities -- is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.

A summary rating and accompanying narrative will be completed and signed by each reviewer. In all cases, reviews are treated as confidential documents. Verbatim copies of reviews, excluding the names of the reviewers, are mailed to the Principal Investigator/Project Director by the Program Director. In addition, the proposer will receive an explanation of the decision to award or decline funding.

B. Review Protocol and Associated Customer Service Standard.

All proposals are carefully reviewed by at least three other persons outside NSF who are experts

in the particular field represented by the proposal. Proposals submitted in response to this solicitation will be reviewed by panels.

Reviewers will be asked to formulate a recommendation to either support or decline each proposal. A program officer assigned to manage the proposal's review will consider the advice of reviewers and will formulate a recommendation. **In most cases, proposers will be contacted by the Program Officer after his or her recommendation to award or decline funding has been approved by his or her supervisor, the Division Director. Informal notification is not a guarantee of an eventual award.** NSF will be able to tell applicants whether their proposals have been declined or recommended for funding within six months for 95 percent of proposals. The time interval begins on the proposal deadline or target date or from the date of receipt, if deadlines or target dates are not used by the program. The interval ends when the division director accepts the program officer's recommendation.

In all cases, after programmatic approval has been obtained, the proposals recommended for funding will be forwarded to the Division of Grants and Agreements for review of business, financial, and policy implications and the processing and issuance of a grant or agreement. Proposers are cautioned that only a Grants Officer may make commitments, obligations or awards on behalf of NSF or authorize the expenditure of funds. No commitment on the part of NSF should be inferred from technical or budgetary discussions with an NSF Program officer. A Principal Investigator or organization that makes financial or personnel commitments in the absence of a grant or cooperative agreement signed by the NSF Grant and Agreement Officer does so at its own risk.

VII. AWARD ADMINISTRATION INFORMATION

A. Notification of the Award.

Notification of the award is made *to the submitting organization* by a Grant and Agreement Officer in the Division of Grants and Agreements (DGA). Organizations whose proposals are declined will be advised as promptly as possible by the cognizant NSF Program Division administering the program. Verbatim copies of reviews, not including the identity of the reviewer, will be provided to the Principal Investigator.

B. Award Conditions.

An NSF Cooperative Agreement Award consists of: (1) the Cooperative Agreement, which includes any special provisions applicable to the cooperative agreement and any numbered amendments thereto; (2) the budget, which indicates the amounts, by categories of expense, on which NSF has based its support (or otherwise communicates any specific approvals or disapprovals of proposed expenditures); (3) the proposal referenced in the cooperative agreement; (4) the applicable cooperative agreement conditions, such as Grant General Conditions (NSF GC-1) and Cooperative Agreement Award Conditions (NSF CA-1)* and (5) any NSF brochure, program guide, announcement or other NSF issuance that may be cited on the proposal cover page or incorporated by reference in the Cooperative Agreement. Electronic mail notification is the preferred way to transmit NSF Cooperative Agreement awards to

organizations that have electronic mail capabilities and have requested such notification from the Division of Grants and Agreements.

* These documents may be accessed electronically on NSF's Web site at: <http://www.nsf.gov/>. Paper copies may be obtained from the NSF Publications Clearinghouse, telephone 301.947.2722 or by e-mail from pubs@nsf.gov.

More comprehensive information on NSF Award Conditions is contained in the NSF *Grant Policy Manual* (GPM) Chapter II, (NSF 95-26) available electronically on the NSF Web site. The GPM also is available in paper copy by subscription from the Superintendent of Documents, Government Printing Office (GPO), Washington, DC 20402. The GPM may be ordered through the GPO Web site at: <http://www.gpo.gov>. The telephone number at GPO for subscription information is 202.512.1800.

All special Cooperative Agreements Conditions are included in the terms and conditions of the formal Cooperative Agreement.

C. Reporting Requirements.

Annual Report and Final Report requirements will be included in the Cooperative Agreement. The PI must submit all annual project reports to the cognizant Program Officer at least 90 days before the end of the current budget period.

Within 90 days after expiration of the Cooperative Agreement, the PI also is required to submit a final project report. Approximately 30 days before expiration, NSF will send a notice to remind the PI of the requirement to file the final project report. Failure to provide final technical reports delays NSF review and processing of pending proposals for that PI. PIs should examine the formats of the required reports in advance to assure availability of required data.

NSF has implemented an electronic project reporting system, available through FastLane. This system permits electronic submission and updating of project reports, including information on: project participants (individual and organizational); activities and findings; publications; and other specific products and contributions. PIs will not be required to re-enter information previously provided, either with a proposal or in earlier updates using the electronic system.

VIII. CONTACTS FOR ADDITIONAL INFORMATION

Questions not addressed in this publication may be directed to Dr. Roosevelt Y. Johnson, Program Director, Division of Human Resource Development - EHR Room 815, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA, 22230, telephone number (703) 306-1633, FAX number (703) 306-0423; e-mail ryjohnso@nsf.gov. Direct contact to discuss potential projects is encouraged. For questions related to the use of FastLane, contact: Victoria Smoot, (703) 306-1640, e-mail at ysmoot@nsf.gov.

IX. OTHER PROGRAMS OF INTEREST

The NSF *Guide to Programs* is a compilation of funding for research and education in science, mathematics, and engineering. General descriptions of NSF programs, research areas, and eligibility information for proposal submission are provided in each chapter. Many NSF programs offer announcements concerning specific proposal requirements. To obtain additional information about these requirements, contact the appropriate NSF program offices listed in Appendix A of the GPG. Any changes in NSF's fiscal year programs occurring after press time for the Guide to Programs will be announced in the NSF Bulletin, available monthly (except July and August), and in individual program solicitations. The Bulletin is available electronically via the NSF Web Site at <http://www.nsf.gov>. The direct URL for recent issues of the Bulletin is <http://www.nsf.gov/od/lpa/news/publicat/bulletin/bulletin.htm>. Subscribers can also sign up for NSF's Custom News Service to find out what funding opportunities are available.

The AGEP Program is among those that target underrepresented minorities in science, engineering, mathematics, and technology and that promote innovation in education for all students. Other related programs include the following: Louis Stokes Alliances for Minority Participation (LSAMP), Centers of Research Excellence in Science and Technology (CREST),

Historically Black Colleges and Universities—Undergraduate Program (HBCU-UP), Collaborative Integration of Research and Education (CIRE), and Integrated Graduate Education Research and Training (IGERT).

APPENDIX A

HRD PROPOSAL BUDGET

ORGANIZATION					FOR NSF USE ONLY				
					PROPOSAL NO.	DURATION (MONTHS)			
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR					AWARD NO.	Proposed	Granted		
					A. SENIOR PERSONNEL: P/VPD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.6. show number in brackets)				
					CAL	ACAD	SUMR.		
1.								\$	\$
2.									
3.									
4.									
5. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)									
6. () TOTAL SENIOR PERSONNEL (1-5)									
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)									
1. () POST DOCTORAL ASSOCIATES									
2. () OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)									
3. () GRADUATE STUDENTS									
4. () UNDERGRADUATE STUDENTS									
5. () SECRETARIAL - CLERICAL									
6. () OTHER									
TOTAL SALARIES AND WAGES (A+B)									
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)									
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)									
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$1000):									
TOTAL PERMANENT EQUIPMENT									
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)									
2. FOREIGN									
F. PARTICIPANT SUPPORT COSTS									
					Stipend	Travel	Subsist.	Other	
a. K-12 (Students) # _____					\$ _____	\$ _____	\$ _____	\$ _____	
b. K-12 (Teachers) # _____					\$ _____	\$ _____	\$ _____	\$ _____	
c. Undergraduate # _____					\$ _____	\$ _____	\$ _____	\$ _____	
d. Graduate # _____					\$ _____	\$ _____	\$ _____	\$ _____	
e. Faculty # _____					\$ _____	\$ _____	\$ _____	\$ _____	
() TOTAL PARTICIPANT COSTS									
G. OTHER DIRECT COSTS									
1. MATERIALS AND SUPPLIES									
2. PUBLICATION COSTS/PAGE CHARGES									
3. CONSULTANT SERVICES									
4. COMPUTER (ADPE) SERVICES									
5. SUBCONTRACTS									
6. OTHER									
TOTAL OTHER DIRECT COSTS									
H. TOTAL DIRECT COSTS (A THROUGH G)									
I. INDIRECT COSTS (SPECIFY)									
TOTAL INDIRECT COSTS									
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)									
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPM 252 AND 253)									
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$	\$	\$	\$	\$
P/VPD TYPED NAME & SIGNATURE*					DATE	FOR NSF USE ONLY			
						INDIRECT COST RATE VERIFICATION			
INST. REP. TYPED NAME & SIGNATURE*					DATE	Date Checked	Date of Rate Sheet	Initials-DGA	Program

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